

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES INSTALLATION OF VIDEO DETECTION CAMERAS TO REPLACE THE EXISTING LOOP DETECTORS AT THE INTERSECTION OF MD 528 (PHILADELPHIA AVENUE) AND 12TH STREET IN WORCESTER COUNTY. MD 528 (PHILADELPHIA AVENUE) IS ASSUMED TO RUN IN THE NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX PHASE, SEMI TRAFFIC- ACTUATED MODE, WITH THE MD 528 APPROACHES RUNNING CONCURRENTLY. THERE ARE EXCLUSIVE / PERMISSIVE LEFT TURN PHASES FOR THE NORTHBOUND AND SOUTHBOUND APPROACHES OF MD 528. THE 12TH STREET APPROACHES ALSO RUN CONCURRENTLY. THERE IS AN ALTERNATE PEDESTRIAN PHASE ACROSS BOTH LEGS OF MD 528.

EQUIPMENT LIST FOR CONTRACT NO. AX1395185

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

ITEM	QUANTITY	UNIT	DESCRIPTION
9086	1	EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
8007	4	EA	VIDEO DETECTION CAMERA & CABLE

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

MR. GENE COFIELL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: ((410) 677-4040

MR. JAMES R. WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 677-4010

MR. BRUCE W. POOLE
UTILITY ENGINEER
PHONE: (410) 677-4082

MR. RICHARD L. DAFF, SR
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

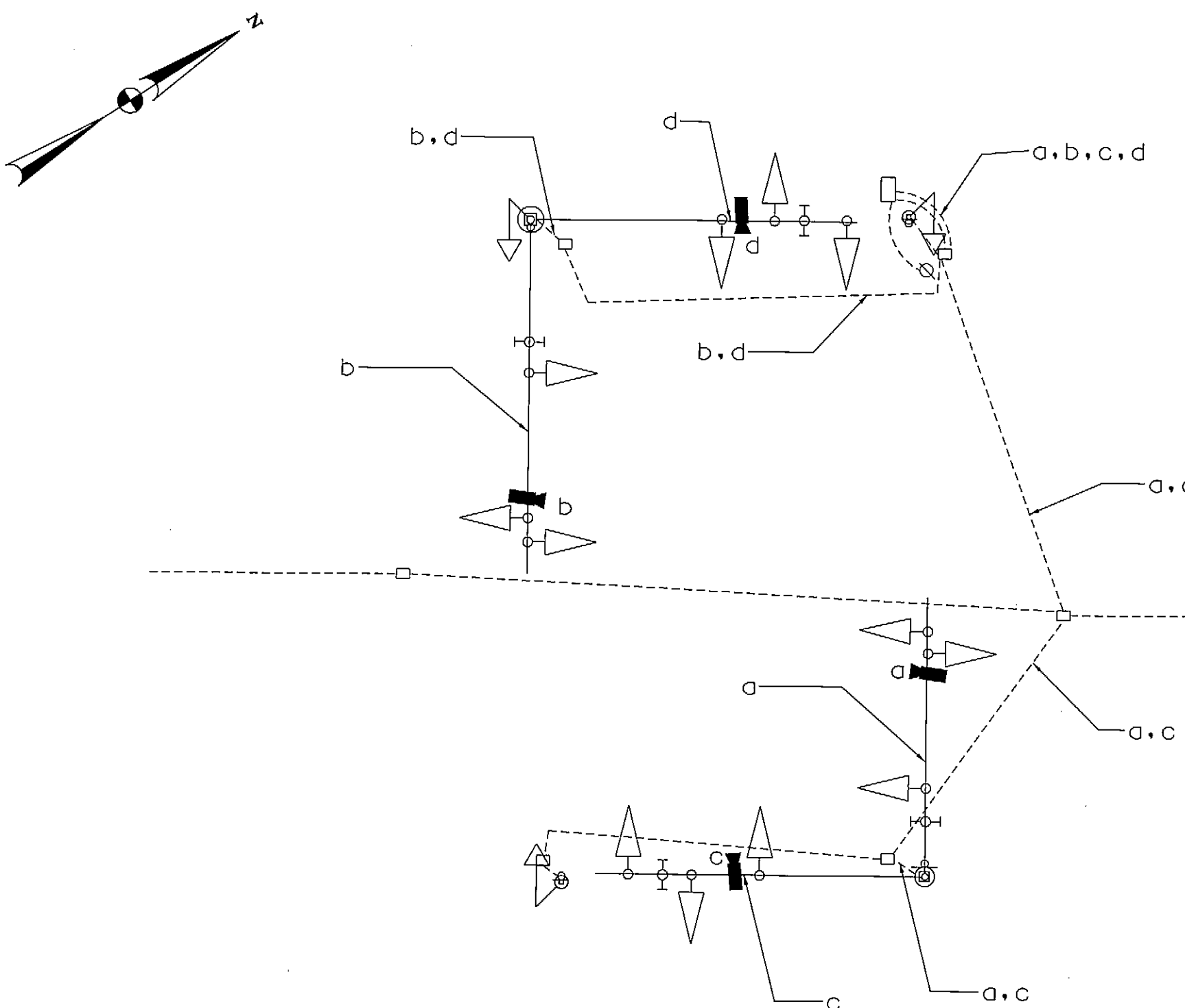
MR. ED RODENHIZER
SUPERVISOR, SIGNAL OPERATIONS
PHONE: 410-787-7650

MR. JOE MANNING
SIGNAL TECHNICIAN- DISTRICT 1
PHONE: 410-677-4056

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASE 1 & 5	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 & 5 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	DW	DW	DW	DW
PHASE 1 & 6	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	DW	DW	DW	DW
PHASE 2 & 5	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
5 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	DW	DW	DW	DW
PHASE 2 & 6	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
2 & 6 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
4 & 8 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	DW	DW	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	R	R	R	R	R	R	R	R	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW
4 & 8 ALT CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	DARK	DARK	DARK	DARK

WIRING DIAGRAM



WIRING KEY

a.b.c.d } VIDEO DETECTION CABLE

TOD NO:AX139-08
SHA NO:WO309A51/B51
MD 528 @ 12TH, 15TH, 17TH ST



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 528 (PHILADELPHIA AVE.) @ 12TH ST
TRAFFIC SIGNAL MODIFICATION



GENERAL INFORMATION SHEET

SCALE	N.T.S.	ADVERTISED DATE	01-09	CONTRACT NO.	AX1395185
DESIGNED BY	NG	COUNTY	WORCESTER		
DRAWN BY	NG	LOGMILE	23052807.79		
CHECKED BY	JB	TIMS NO.	J517		
F.A.P. NO.		TOD NO.			
TS NO. 2312C GI	DRAWING	- 2 OF 6	SHEET NO.	2 OF 2	



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PLOTTED: Tuesday, January 13, 2009 AT 01:35 PM
FILE: P:\4-015 Signals\MD 528 @ 12th, 15th & 17th\Drawings\CADD\Working\p93-A003_MD528&12th_ST.dgn